

1 : O65607 . DNA MISMATCH REPAIR PROTEIN MSH3 [gi:3914062] Related Sequences

LOCUS MSH3_ARATH 1076 aa PLN 15-DEC-1998
DEFINITION DNA MISMATCH REPAIR PROTEIN MSH3.
ACCESSION O65607
PID g3914062
VERSION O65607 GI:3914062
DBSOURCE swissprot: locus MSH3_ARATH, accession O65607;
class: standard.
created: Dec 15, 1998.
sequence updated: Dec 15, 1998.
annotation updated: Dec 15, 1998.
xrefs: gi: 5596409, gi: 2980796
xrefs (non-sequence databases): PFAM PF00488
KEYWORDS DNA repair; ATP-binding; DNA-binding.
SOURCE thale cress.
ORGANISM Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; euphyllophytes; Spermatophyta; Magnoliophyta; eudicotyledons; c eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
REFERENCE 1 (residues 1 to 1076)
AUTHORS BEVAN, M., BARGUES, M., PEREZ-PEREZ, A., TEROL, J., TORRES, A., PEREZ-ALONSO, M., HOHEISEL, J., MEWES, H.-W., MAYER, K. and SCHUELLER, C.
TITLE Direct Submission
JOURNAL Submitted (??-MAR-1998) to the EMBL/GenBank/DDBJ databases
REMARK SEQUENCE FROM N.A.
STRAIN=CV. COLUMBIA
COMMENT -----
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[FUNCTION] NOT KNOWN. PROBABLE DNA-REPAIR PROTEIN.
[SIMILARITY] BELONGS TO DNA MISMATCH REPAIR MUTS FAMILY.
FEATURES Location/Qualifiers
source 1..1076
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/db_xref="taxon:3702"
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Protein 1..1076
/product="DNA MISMATCH REPAIR PROTEIN MSH3"
Site 830..837
/site_type="np-binding"
/note="ATP (POTENTIAL)."
ORIGIN

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121 vvlmvevgyr yrffgedaei aarvlgiyah mdhnfmtry kigvvkqtet aakshganr
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Revised: January 10, 2000.

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ID ATM7J2 standard; DNA; PLN; 80386 BP.
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 AC AL022197;
 XX
 SV AL022197.2
 XX
 DT 18-MAR-1998 (Rel. 55, Created)
 DT 23-JUL-1999 (Rel. 60, Last updated, Version 5)
 XX
 DE Arabidopsis thaliana DNA chromosome 4, P1 clone M7J2 (ESSA project)
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 KW
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 OS Arabidopsis thaliana (thale cress)
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC euphyllophytes; Spermatophyta; Magnoliophyta; eudicotyledons;
 OC core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae;
 OC Arabidopsis.
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 RN [1]
 RA Bevan M., Bargues M., Perez-Perez A., Terol J., Torres A., Perez-Alonso M.,
 RA Hoheisel J., Mewes H.W., Mayer K.F.X., Lemcke K., Schueler C.;
 RT ;
 RL Unpublished.
 XX
 RN [2]
 RP 1-80386
 RA EU Arabidopsis sequencing project;
 RT ;
 RL Submitted (23-JUL-1999) to the EMBL/GenBank/DDJB databases.
 RL MIPS, at the Max-Planck-Institut fuer Biochemie, Am Klopferspitz 18a,
 RL D-82152 Martinsried, FRG, E-mail:
 RL schuelle@mips.biochem.mpg.de, mayer@mips.biochem.mpg.de Project Coordinator:
 RL Mike Bevan, Molecular Genetics Department, Cambridge Laboratory, John Innes
 RL Centre, Colney Lane, NR4 7UJ Norwich, UK, E-mail: michael.bevan@bbsrc.ac.uk
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 DR Demeter; AL022197; AL022197.
 DR MENDEL; 29149; Arath;2296;29149.
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 DR MENDEL; 29155; Arath;2475;29155.
 DR MENDEL; 29156; Arath;2475;29156.
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 DR MENDEL; 29812; Arath;1279;29812.
 DR MENDEL; 29813; Arath;3324;29813.
 DR MENDEL; 29815; Arath;1044;29815.
 DR SPTREMBL; Q65600; 065600.
 DR SPTREMBL; Q65601; 065601.
 DR SPTREMBL; Q65602; 065602.
 DR SPTREMBL; Q65603; 065603.
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 DR SPTREMBL; Q65618; 065618.
 DR SWISS-PROT; Q65607; MSH3_ARATH.
 DR SWISS-PROT; P92965; RS40_ARATH.
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 CC Information on performance of analysis and a more detailed annotation
 CC of this entry and other sequences of chromosomes 3, 4 and 5 can be

CC viewed at: <http://www.mips.biochem.mpg.de/proj/thal/>

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FH Key Location/Qualifiers

FH

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